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structure of flowers, they would fade before such illustrations as these. The great prevalence of this character in clover this season was certainly remarkable. I saw fields in which perhaps one-fourth the crop had heads like these ; though rather in patches than spread regularly all over the ground. There was also a perceptible yellowish tint in the patches with the most of these abnormal characters. I could not find any trace of fungus development in these specimens, yet from analogy—the pale tint following fungus attacks in other plants—I think it must have been from such organisms below the reach of ordinary microscopic power, interfering with nutrition, that these curious morphological results were developed. My observations of plants generally lead me to believe that we must look to the physiological functions of plants, and the laws which affect them, before we can comprehend the morphological change which they undergo.

Germantown, Pa.

THOMAS MEEHAN.

§ 108. **Plants of Northampton and adjoining Counties, Penn.**—While making occasional botanical trips for the past few years to Nockamixon Township, Bucks County, I detected the following plants, which Dr. J. S. Moyer, of Richland Centre, who has published a catalogue of plants of this county, informed me are new to the flora :

Liparis Loeselii, Richard, found growing along a wet mossy bank near Narrowsville, July, 1874.

Struthiopteris Germanica, Willd., found in profusion and great luxuriance along the bank of the Delaware River near Narrowsville, May 22, 1879.

From the mountains near Bauer's Rock, Lehigh County, Robert Rau in 1868 collected the rather scarce and local plant *Pogonia pendula*, Lindl., which is the only source of specimens I have for this region.

Reseda lutea, L., and *Glaucium corniculatum*, Curtis, I found growing in tolerable abundance upon piles of African iron ore near the works of the Bethlehem Iron Co. Mr. I. C. Martindale, to whom I am indebted for the identification of the species, states that both plants are natives of Europe ; whether also of Northern Africa he does not state, although it seems not improbable.

Atriplex patula, L., var. *hastata*, several years ago made its appearance along the railroads near Bethlehem.

Lepidium campestre, Linn., was collected by R. G. Bechdolt along roadsides south of Bethlehem.

Bethlehem, Pa.

E. A. RAU.

§ 109. **Symphoricarpus racemosus**, Michx., var. **pauciflorus**, Robbins, in New York State.—I have specimens of this plant which I collected in July, 1878, at the top of a bluff on the western shore of Lake Champlain, near Port Henry, Essex Co., N. Y. Quite a large patch was growing there, and its small leaves and few flowers mark it as a good variety.

N. L. BRITTON.